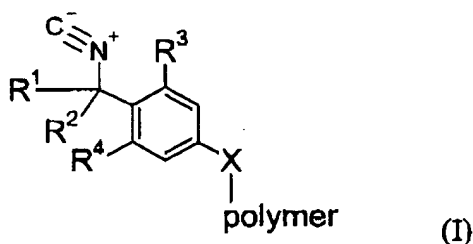


Replace claims 1-15 as originally filed with amended claims 1-15. Add new claim 16.

Replace claims 1-15 as originally filed with amended claims 1-15. Add new claim 16.

1. (Amended) A functionalized polymeric reagent for solution or solid-phase synthesis comprising a polymer and a linker moiety, wherein the linker moiety comprises an acid labile isonitrile moiety and is cleavable at the CN functionality of the isonitrile.
2. (Amended) A functionalized polymeric reagent according to claim 1 having Formula I

2. (Amended) A functionalized polymeric reagent according to claim 1 having Formula I



wherein:

X is carbon, oxygen, a PEG-chain, or a $-(CH_2)_n-CONH-$ group;

R^1 is hydrogen, phenyl, or a substituted phenyl group;

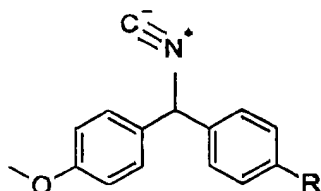
R^2 is hydrogen, phenyl, or a substituted phenyl group;

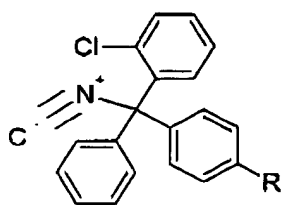
R^3 is hydrogen, C_1 - C_6 alkyl, C_1 - C_6 alkoxy, or phenoxy;

R⁴ is hydrogen, C₁-C₆ alkyl, C₁-C₆ alkoxy, or phenoxy; and

n is an integer from 1 to 4.

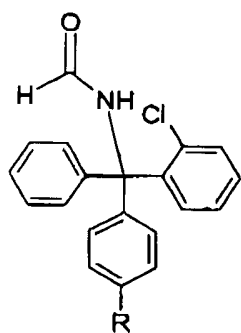
3. (Amended) The functionalized polymeric reagent according to claim 1 having a structure selected from the group consisting of:





4. (Amended) The functionalized polymeric reagent according to claim 1, wherein the polymer is a soluble polymer.
5. (Amended) The functionalized polymeric reagent according to claim 1, wherein the polymer is an insoluble polymer.

6. (Amended) A method for preparing a functionalized polymeric reagent according to any one of claims 1-5, comprising the steps of:
- a) reacting a polymeric support with a formylating reagent to obtain a formamido group; and
 - b) converting the formamido group into an isonitrile moiety.
7. (Amended) The method according to claim 6, wherein the formylating reagent used in step a) is 2,4,5-trichlorophenyl formate.
8. (Amended) The method according to claim 6, wherein carbon tetrachloride / triphenylphosphine in the presence of triethylamine is used to convert the formamido group into the isonitrile moiety.
9. (Amended) A method for preparing an organic compound by solution or solid-phase synthesis comprising the steps of:
- a) immobilizing a substrate compound to the isonitrile moiety of the functionalized polymeric reagent according to any one of claims 1-5;
 - b) performing at least one subsequent reaction step; and
 - c) cleaving the compound from the polymeric reagent by acid treatment.
10. (Amended) The method according to claim 9, further comprising a subsequent reaction step after cleavage from the polymeric reagent.
11. (Amended) The method according to claim 9, wherein a plurality of substrate compounds, or plurality of subsequent reaction steps, or both, is used to obtain a library of organic compounds.
12. (Amended) The method according to claim 9, wherein at least one of the reaction steps is a multicomponent reaction.
13. (Amended) A kit comprising a container of a functionalized polymeric reagent according to any one of claims 1-5.



16. (New) The compound according to claim 15, wherein the linker moiety is a PEG-chain or a $-(CH_2)_n-CONH-$ group.